

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|------------------|
| 1 | 95 | (310/328.ccls. or 310/323.16.ccls. or 310/323.02.ccls. or 310/317.ccls. or 310/316.01.ccls. or 310/311.ccls.) and @pd>20020601 | USPAT; EPO; JPO; DERWENT; IBM TDB USPAT | 2002/12/02 10:22 |
| 5 | 9 | ("4613782" "4728843" "5134334" "5216313" "5345137" "5656769" "6064140" "6201340" "6242850").PN. | USPAT | 2002/12/02 10:27 |
| 2 | 16 | (actuator and (displacement adj element)) and @pd>20020601 | USPAT | 2002/12/02 10:32 |
| 3 | 42 | (actuator and (stationary adj member)) and @pd>20020601 | USPAT | 2002/12/02 10:32 |
| - | 100 | ((("5594291") or ("5892316") or ("6084335") or ("5831370") or ("5216313") or ("5136200") or ("5191688") or ("6034834") or ("5760527") or ("5763981") or ("5404252") or ("5566378") or ("5821667") or ("6222302") or ("5438206") or ("5907211") or ("5854529") or ("6196664") or ("6084363") or ("5134334") or ("5661235") or ("5869751") or ("5576483") or ("6092431") or ("5712524") or ("5518179") or ("5698929") or ("5205147") or ("5872417") or ("4376312") or ("5723935") or ("5410204") or ("6157521") or ("5553486") or ("6026677") or ("5184037") or ("5107365") or ("5811816") or ("5552608") or ("6091552") or ("5165809") or ("5774179") or ("5682076") or ("5631861") or ("6059506") or ("5184319") or ("5777424") or ("5739532") or ("6069359") or ("5126618") or ("5147141") or ("5906016") or ("6211607") or ("4929859") or ("4888514") or ("5021700") or ("6208065") or ("4899543") or ("5511062") or ("6114799") or ("5591945") or ("4787760") or ("6201339") or ("5798875") or ("6215605") or ("4755705") or ("5998742") or ("6171276") or ("6123668") or ("6213943") or ("6120460") or ("5574326") or ("4991309") or ("4920660") or ("4888878") or ("5005298") or ("5825118") or ("5869917") or ("5725168") or ("5947402") or ("5408376") or ("5986385") or ("5969464") or ("5198732") or ("5998906") or ("4791786") or ("6104123") or ("6146674") or ("5838350") or ("5869918") or ("5983471") or ("5927699") or ("5818147") or ("4456394") or ("5964985") or ("6013158") or ("6006594") or ("5641896") or ("5917270") or ("4794314")).PN. | USPAT | 2002/06/01 19:10 |
| - | 1198 | (310/328).CCLS. | USPAT | 2002/12/02 10:17 |
| - | 336 | (310/311).CCLS. | USPAT | 2001/05/18 08:45 |
| - | 359 | (310/316.01).CCLS. | USPAT | 2001/05/18 08:46 |
| - | 545 | (310/317).CCLS. | USPAT | 2001/05/18 08:46 |
| - | 91 | (310/323.02).CCLS. | USPAT | 2001/05/18 08:46 |
| - | 56 | (310/323.16).CCLS. | USPAT | 2001/05/18 08:47 |
| - | 2224 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) or ((("310/328").CCLS.) or ("310/311").CCLS.) or ("310/316.01").CCLS.) or ("310/317").CCLS.) or ("310/323.02").CCLS.) or ("310/323.16").CCLS.)) and (actuator) | USPAT | 2001/12/04 14:16 |
| - | 583 | ((("310/328").CCLS.) or ("310/311").CCLS.) or ("310/316.01").CCLS.) or ("310/317").CCLS.) or ("310/323.02").CCLS.) or ("310/323.16").CCLS.)) and (actuator) | USPAT | 2001/05/18 08:48 |

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|---|----|--|-------|------------------|
| - | 19 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (displacement adj element) | USPAT | 2002/12/02 10:19 |
| - | 17 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj member) | USPAT | 2001/05/18 08:49 |
| - | 12 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (stationary adj member) | USPAT | 2002/12/02 10:20 |
| - | 2 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (compression adj member) | USPAT | 2001/05/18 08:51 |
| - | 70 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj circuit) | USPAT | 2001/05/18 08:51 |
| - | 22 | (((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (displacement adj element)) or (((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj member)) or (((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (stationary adj member)) or (((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (compression adj member)) or (((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj circuit))) and (resonance adj frequency) | USPAT | 2001/05/18 08:53 |

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|---|------|---|-------|------------------|
| - | 110 | ((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (displacement adj element)) or ((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj member)) or ((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (stationary adj member)) or ((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (compression adj member)) or ((((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (actuator)) and (drive adj circuit)) | USPAT | 2001/05/18 09:26 |
| - | 90 | (("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) and @pd>20010518 | USPAT | 2001/12/04 14:16 |
| - | 0 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) and @pd>20010518) | USPAT | 2001/12/04 14:17 |
| - | 2316 | (("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) | USPAT | 2001/12/04 14:16 |
| - | 0 | (("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) and (intermittent near contact) | USPAT | 2001/12/04 14:17 |
| - | 2 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.) and @pd>20010518) | USPAT | 2001/12/04 14:18 |
| | | and (inter\$ near contact\$) | | |

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| | 6 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (inter\$ near contact\$) | USPAT | 2001/12/04 14:19 |
| | 6 | ((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and @pd>20010518) and (inter\$ near contact\$)) or (((("310/328").CCLS.) or (("310/311").CCLS.) or (("310/316.01").CCLS.) or (("310/317").CCLS.) or (("310/323.02").CCLS.) or (("310/323.16").CCLS.)) and (inter\$ near contact\$)) ("4651046" "4780639" "4947077" "5079471" "5159226").PN. | USPAT | 2001/12/04 14:19 |
| | 14 | "5079471" "5159226").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:23 |
| | 6 | 5523643.URPN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:23 |
| | 34 | ("2439499" "3204133" "3902084" "4056743" "4339682" "4622483" "4678955" "4742260" "4782262" "4801829" "4811246").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:30 |
| | 21 | 4947077.URPN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:30 |
| | 2507 | h011041/04.ipc. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:12 |
| | 116 | h011041/06.ipc. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:47 |
| | 0 | h011041/06.ipc. and (inter\$ near contact) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:48 |
| | 1 | h011041/04.ipc. and (inter\$ near contact) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2001/12/04 14:48 |
| | 18 | 310/323.02.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:12 |
| | 3 | 310/323.16.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:13 |
| | 391 | h011041/04.ipc. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:13 |
| | 25 | h011041/06.ipc. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:13 |

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| - | 93 | 310/328.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:13 |
| - | 24 | 310/311.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:16 |
| - | 22 | 310/316.01.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:16 |
| - | 23 | 310/317.ccls. and @pd>20010518 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2002/06/01 19:17 |
| - | 11 | ("4400641" "5085556" "5182484" "5237236" "5453653" "5540615" "5668432" "5722875" "5741113" "5900691" "6064140").PN. | USPAT | 2002/06/01 19:17 |
| - | 34 | ("4400641" "4453103" "4562373" "4613782" "4622483" "4727278" "4743792" "4755705" "4786836" "4814660" "4831306" "4857791" "4912351" "4933590" "4947076" "4959580" "4965482" "4997177" "5027028" "5036245" "5051647" "5087852" "5089740" "5144187" "5166572" "5245243" "5453653" "5563465" "5616980" "5640063" "5714833" "5777423" "5780957" "6201340").PN. | USPAT | 2002/06/01 19:17 |